



## SEQUENCE LISTING

&lt;110&gt; Protein Design Labs

&lt;120&gt; ANTIBODIES AGAINST GPR64 AND USES THEREOF

&lt;130&gt; 05882.0177.NPUS01

&lt;160&gt; 30

&lt;170&gt; PatentIn version 3.2

&lt;210&gt; 1

&lt;211&gt; 4665

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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Pro Pro Pro Ala Lys Leu Ser Val Val Ser Phe Ala Pro Ser Ser Asn

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Ala Ser Gly Val Lys Pro Gln Arg Asn Ile Cys Asn Leu Ser Ser Ile 100 105 110		
Cys Asn Asp Ser Ala Phe Phe Arg Gly Glu Ile Met Phe Gln Tyr Asp 115 120 125		
Lys Glu Ser Thr Val Pro Gln Asn Gln His Ile Thr Asn Gly Thr Leu 130 135 140		
Thr Gly Val Leu Ser Leu Ser Glu Leu Lys Arg Ser Glu Leu Asn Lys 145 150 155 160		
Thr Leu Gln Thr Leu Ser Glu Thr Tyr Phe Ile Met Cys Ala Thr Ala 165 170 175		
Glu Ala Gln Ser Thr Leu Asn Cys Thr Phe Thr Ile Lys Leu Asn Asn 180 185 190		
Thr Met Asn Ala Cys Ala Ala Ile Ala Ala Leu Glu Arg Val Lys Ile 195 200 205		
Arg Pro Met Glu His Cys Cys Cys Ser Val Arg Ile Pro Cys Pro Ser 210 215 220		
Ser Pro Glu Glu Leu Gly Lys Leu Gln Cys Asp Leu Gln Asp Pro Ile 225 230 235 240		
Val Cys Leu Ala Asp His Pro Arg Gly Pro Pro Phe Ser Ser Ser Gln 245 250 255		
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Ala Thr Ser Phe Ala Glu Pro Pro Asp Tyr Ser Pro Val Thr His Asn 275 280 285		
Val Pro Ser Pro Ile Gly Glu Ile Gln Pro Leu Ser Pro Gln Pro Ser 290 295 300		
Ala Pro Ile Ala Ser Ser Pro Ala Ile Asp Met Pro Pro Gln Ser Glu 305 310 315 320		

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Pro Val Lys Ala Ser Phe Ser Ser Pro Thr Val Ser Ala Pro Ala Asn  
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Ala Gln Arg Leu Leu Lys Val Val Asp Asp Ile Gly Leu Gln Leu Asn  
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Phe Ser Asn Thr Thr Ile Ser Leu Thr Ser Pro Ser Leu Ala Leu Ala  
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Gly Arg Gly Gly Trp Ser Asp Asn Gly Cys Ser Val Lys Asp Arg Arg  
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Tyr Pro Ser Lys Ile Leu Ile Gln Leu Cys Ala Ala Leu Leu Leu Leu  
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Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe  
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Asp Ile Gln Met Thr Gln Thr Thr Ser Ser Leu Ser Ala Ser Leu Gly  
1 5 10 15

Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Asn Tyr  
20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu Leu Ile  
35 40 45

Tyr Tyr Thr Ser Asn Leu His Ser Gly Val Pro Ser Arg Phe Ser Gly  
50 55 60

Ser Gly Ser Gly Ala Asp Tyr Ser Leu Thr Ile Gly Asn Leu Glu Gln  
65 70 75 80

Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu Pro Trp  
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
100 105

<210> 17  
<211> 122

<212> PRT  
<213> Mus sp.

<400> 17

Gln Val Ser Leu Lys Glu Ser Gly Pro Gly Ile Leu Gln Pro Ser Gln  
1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser  
20 25 30

Gly Met Gly Val Ser Trp Ile Arg Gln Pro Ser Gly Lys Gly Leu Glu  
35 40 45

Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr Asn Pro Ser  
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Ser Asn Leu Val  
65 70 75 80

Phe Leu Lys Ile Thr Ser Val Asp Thr Ala Asp Thr Ala Thr Tyr Tyr  
85 90 95

Cys Ala Arg Arg Glu Val Arg Arg Asp Tyr Tyr Ala Met Asp Tyr Trp  
100 105 110

Gly Gln Gly Thr Ser Val Thr Val Ser Ser  
115 120

<210> 18  
<211> 107  
<212> PRT  
<213> Mus sp.

<400> 18

Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly  
1 5 10 15

Asp Arg Ile Thr Ile Ala Cys Arg Ala Ser Gln Ser Val Ser Asn Asp  
20 25 30

Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile  
35 40 45

Asn Tyr Thr Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly  
50 55 60

Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala  
65 70 75 80

Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Ala Tyr Ser Ser Pro Trp

85

90

95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
100 105

<210> 19  
<211> 113  
<212> PRT  
<213> Mus sp.

<400> 19

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp  
20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp  
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Asp Tyr Thr Ser Tyr Asn Pro Ser Leu  
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe  
65 70 75 80

Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys  
85 90 95

Ala Arg Arg Val Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser  
100 105 110

Ser

<210> 20  
<211> 112  
<212> PRT  
<213> Mus sp.

<400> 20

Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly  
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser  
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser  
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro  
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile  
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser  
85 90 95

Thr His Val Pro Trp Thr Phe Gly Gly Gly Thr Thr Leu Glu Ile Lys  
100 105 110

<210> 21  
<211> 113  
<212> PRT  
<213> Mus sp.

<400> 21

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
1 5 10 15

Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp  
20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp  
35 40 45

Met Gly Tyr Ile Ser Phe Ser Asp Ser Thr Ser Tyr Asn Pro Ser Leu  
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe  
65 70 75 80

Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys  
85 90 95

Ala Arg Arg Gly Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser  
100 105 110

Ser

<210> 22  
<211> 112  
<212> PRT  
<213> Mus sp.

<400> 22

Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly  
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser  
20 25 30

Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro Gly Gln Ser  
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro  
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile  
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Phe Cys Ser Gln Ser  
85 90 95

Thr His Leu Pro Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
100 105 110

<210> 23  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> siRNA duplex with 3' dTdT overhang

<400> 23  
cagacacggc caccgugugatt

21

<210> 24  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> siRNA duplex with 3' dTdT overhang

<400> 24  
ucacacgugg ccgugucugtt

21

<210> 25  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> siRNA duplex with 3' dTdT overhang

<400> 25  
gcuagcgccc auucaauagtt

21

<210> 26  
<211> 21  
<212> DNA  
<213> Artificial



<220>		
<223>	siRNA duplex with 3' dTdT overhang	
<400>	26	
	cuauugaaug ggcgcuaagctt	21
<210>	27	
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<400>	27	
	gcuuacuccc uucaaacgatt	21
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